

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S70	1005	stator same six adj poles	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 11:23
S71	461	stator same six adj poles	USPAT	OR	ON	2006/04/29 11:23
S73	1104	361/23.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 11:55
S74	10	dc adj motor same (second adj inverter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 11:56
S78	12	disable same ((multiple plurality entire whole group) adj pole)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 17:16
S79	1060	(disable open disconnect (shut adj off)) same ((multiple plurality entire whole group) adj pole)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 17:17
S80	11	(disable open disconnect (shut adj off)) same ((multiple plurality entire whole group) adj pole) and (dc adj motors)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 17:17
S81	7	"6392854"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 17:21

## EAST Search History

S82	1	"6392854" and disable	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 17:21
S83	5	("6392854").URPN.	USPAT	OR	ON	2006/04/29 17:29
S84	1070	dc adj motor same control same (heat fail failure fault)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 17:33
S85	27	S84 same pole	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 17:33
S86	1	(US-6392854-\$).did.	USPAT	OR	ON	2006/04/29 18:41
S87	2	"6885162"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 18:44
S88	1	(US-6885162-\$).did.	USPAT	OR	ON	2006/04/29 18:44
S90	2	S86 S88	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 18:45
S91	39	"5442250" "5929549"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 19:22
S92	111	"4190779" "4315171" "1123321" "4234808"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 19:52

## EAST Search History

S93	30	S92 and switch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 19:57
S94	26	S92 and switch and control	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 20:02
S95	12	S92 and switch and (control same (protect\$3 limit\$5 prevent\$3 suppress\$3 eliminat\$3 filter\$3 limit\$3 clamp\$3 arrest\$3 banish\$3 discard\$3 trap\$4 restrain\$3 halt\$3 nullif\$4 abolish\$3 cancell\$3 terminat\$3 obstruct\$3 restrict\$3 disallow\$3 exclud\$3 inhibit\$3 prohibit\$3 interrupt\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 20:03
S96	65	disconnect adj pole	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 20:24
S97	8835	((disconnect disable (turn adj off) open) adj (pole phase group coil))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 20:25
S98	3073	((disconnect disable (turn adj off) open) adj (pole phase group coil)) and motor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 20:26
S99	2635	((disconnect disable (turn adj off) open) adj (pole phase group coil)) and motor and control	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 20:26
S100	972	((disconnect disable (turn adj off) open) adj (pole phase group coil)) same motor same control	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 20:26

## EAST Search History

S10 1	719	((disconnect disable (turn adj off) open) adj (pole phase group coil)) same motor same control same (protect\$3 limit\$5 prevent\$3 suppress\$3 eliminat\$3 filter\$3 limit\$3 clamp\$3 arrest\$3 banish\$3 discard\$3 trap\$4 restrain\$3 halt\$3 nullif\$4 abolish\$3 cancell\$3 terminat\$3 obstruct\$3 restrict\$3 disallow\$3 exclud\$3 inhibit\$3 prohibit\$3 interrupt\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 20:29
S10 2	75	((disconnect disable (turn adj off) open) adj (pole phase group coil)) same motor same control same (protect\$3 limit\$5 prevent\$3 suppress\$3 eliminat\$3 filter\$3 limit\$3 clamp\$3 arrest\$3 banish\$3 discard\$3 trap\$4 restrain\$3 halt\$3 nullif\$4 abolish\$3 cancell\$3 terminat\$3 obstruct\$3 restrict\$3 disallow\$3 exclud\$3 inhibit\$3 prohibit\$3 interrupt\$3)	USPAT	OR	ON	2006/04/29 20:32
S10 3	32	((disconnect disable (turn adj off) open) adj (pole phase group)) same motor same control same (protect\$3 limit\$5 prevent\$3 suppress\$3 eliminat\$3 filter\$3 limit\$3 clamp\$3 arrest\$3 banish\$3 discard\$3 trap\$4 restrain\$3 halt\$3 nullif\$4 abolish\$3 cancell\$3 terminat\$3 obstruct\$3 restrict\$3 disallow\$3 exclud\$3 inhibit\$3 prohibit\$3 interrupt\$3)	USPAT	OR	ON	2006/04/29 20:32
S10 4	79651	dc adj motor and "18" spokes	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 22:34
S10 5	60363	dc adj motor same "18" spokes	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 22:34
S10 6	7	dc adj motor and ("18" adj spokes)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 22:38

## EAST Search History

S10 7	29	dc adj motor and ("18" adj teeth)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 22:47
S10 8	1509	dc adj motor and (spoke teeth) and wound	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 22:47
S10 9	540	dc adj motor and ((spoke teeth) same wound)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 22:50
S11 0	175	dc adj motor and ((spoke teeth) same wound) and control and switch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 22:51
S11 1	113	dc adj motor and ((spoke teeth) same wound) and control and switch	USPAT	OR	ON	2006/04/29 22:57
S11 2	8	dc adj motor and ((spoke teeth) same (unwound))	USPAT	OR	ON	2006/04/29 22:58
S11 3	3115	motor and every adj three	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 23:18
S11 4	11	motor and (every adj three adj (spoke teeth space))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 23:21
S11 5	29309	rotor same (spoke teeth space) same "60"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 23:23

## EAST Search History

S11 6	262	rotor same (spoke teeth space) same ("60" adj degrees)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 23:26
S11 7	23	rotor same (spoke teeth space) same ("60" adj degrees)same wound	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 23:28
S11 8	23	rotor same (spoke tooth space) same ("60" adj degrees)same wound	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 23:32
S11 9	26	stator same (spoke tooth space) same ("60" adj degrees)same wound	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 23:35
S12 0	1	stator near5 ("60" adj degrees) near5 wound	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 23:37
S12 1	4	stator near7 ("60" adj degrees) near7 wound	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 23:38
S12 2	5	stator near10 ("60" adj degrees) near10 wound	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 23:39
S12 3	75	stator same ("60" adj degrees) same wound	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 23:59

## EAST Search History

S12 4	211	stator same (about near pole) same wound	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/30 00:35
S12 5	24	stator same (skip) same wound	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/30 00:39
S12 8	279	motor and skip same wound	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/30 00:40
S12 9	259	S128 not S125	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/30 00:40
S13 0	3	rotor same stator same skip and (empty nothing)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/30 00:43
S13 1	44	rotor same stator same skip	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/30 00:44
S13 2	6	winding same (skip adj (spoke teeth))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/30 00:48
S13 4	2141	310/67R.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/30 00:55

## EAST Search History

S13 5	341	310/67R.ccls. and (spoke teeth)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/30 00:56
S13 6	19	"4804873"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/30 01:04
S13 7	2876	motor same cogging	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/30 01:04
S13 8	1782	motor near5 cogging	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/30 01:07
S13 9	1354	motor near3 cogging	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/30 01:07
S14 0	351	motor near cogging	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/30 01:08
S14 1	21	motor near cogging same "60"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/30 01:12
S14 2	67175	motor near3 (step cog)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/30 01:13



## EAST Search History

S14 3	37	motor near3 (step cog) near3 skip	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/30 01:14
S14 4	5340	motor same radial same wound	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/30 01:18
S14 5	162	motor same radial near3 wound	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/30 01:18
S14 6	313	"18" adj spokes	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/30 11:32
S14 7	44	"18" adj spokes and motor	USPAT	OR	ON	2006/04/30 11:36
S15 1	319	motor and (unwound same (spokes teeth tooth))	USPAT	OR	ON	2006/04/30 11:43
S15 2	1	motor and (unwound near (spokes teeth tooth))	USPAT	OR	ON	2006/04/30 11:39
S15 3	24	unwound near stator near core	USPAT	OR	ON	2006/04/30 11:48
S15 4	3	(unwound near5 stator near5 core) not S153	USPAT	OR	ON	2006/04/30 11:49
S15 5	57	(unwound (wound adj alternat\$5)) same stator same core	USPAT	OR	ON	2006/04/30 12:03
S15 6	27273	(unwound (wound adj alternat\$5))	USPAT	OR	ON	2006/04/30 12:03
S15 9	11120	(unwound (wound adj alternat\$5)) and motor	USPAT	OR	ON	2006/04/30 12:04
S16 0	11120	(unwound (wound adj alternat\$5)) and motor	USPAT	OR	ON	2006/04/30 12:04
S16 1	31548	step adj motor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/30 12:18

## EAST Search History

S16 2	5044	(step adj motor) and (spoke teeth wound)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/30 12:26
S16 3	122340	(spoke teeth wound) same (skip alternat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/30 12:27
S16 4	24178	(spoke teeth wound) same (skip alternat\$3) same motor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/30 12:27
S16 5	713	(spoke teeth wound) near (skip alternat\$3) same motor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/30 12:27
S16 6	35947	(step reluctance) adj motor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/30 13:47
S16 7	1	S166 and skip near teeth	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/30 13:48
S16 8	18	S166 and (((every adj other) skip alternate) adj (spoke teeth tooth))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/30 13:57
S16 9	1791	(((every adj other) skip alternate) adj (spoke teeth tooth))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/30 14:06

## EAST Search History

S17 0	19	"4804873"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/30 14:07
S17 1	102	(smooth near rotation) and (torque near ripple)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/30 17:10
S17 2	503	(smooth same rotation) same cutout	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/30 17:11
S17 3	207	(smooth same rotation) same cutout and motor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/30 17:11
S17 4	34	"5442250"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/30 21:12
S17 6	4	disable same (group adj (pole phase))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/30 21:15
S17 7	5	disabl\$3 same (group adj (pole phase))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/30 21:15
S17 8	15535	disabl\$3 same ((pole phase))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/30 21:15

## EAST Search History

S17 9	361	disabl\$3 same ((pole phase)) and dc adj motor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/30 22:03
S18 0	261	disabl\$3 same ((pole phase)) and dc adj motor	USPAT	OR	ON	2006/04/30 21:40
S18 1	72	(two adj groups) same (("6" six) adj poles)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/30 21:34
S18 2	11803	control same motor same disabl\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/30 22:08
S18 3	544	control same motor same disabl\$3 same dc	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/30 22:08
S18 4	285	control same motor same disabl\$3 same dc	USPAT	OR	ON	2006/04/30 22:15
S18 5	24	control same motor same disabl\$3 same dc same fault	USPAT	OR	ON	2006/04/30 22:15
S18 6	2	"6845309"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/01 01:05
S18 8	1	(steering adj assist) and fault same control same ((deliver provide continue) near5 power)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/01 01:08
S18 9	1	(steering adj assist) and fault same control same ((deliver provide continue) near5 power) and torque	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/01 01:09

## EAST Search History

S19 0	1	(steering adj assist) and fault same control same ((deliver provide continue) near5 power) and torque and (angle angular position)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/01 01:12
S19 1	10	(steering adj assist) and fault same control and ((deliver provide continue) near5 power) and torque and (angle angular position) and (sensor detector)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/01 01:12
S19 2	249	310/186.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/01 10:54
S19 3	6	310/186.ccls.and (flux near3 return)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/01 10:56
S19 4	46	310/186.ccls.and ((magnetic adj field flux) near3 (return path way))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/01 10:57
S19 5	46	310/186.ccls. and (((magnetic adj field) flux) near3 (return path way))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/01 10:58
S19 6	1796	310/179,180.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/01 11:09
S19 7	173	310/179,180.ccls. and (((magnetic adj field) flux) near3 (return path way))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/01 11:09

## EAST Search History

S19 8	852	310/184.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/01 11:52
S19 9	2649	S192 S196 S198	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/01 12:01
S20 0	1	S199 and ((unused unwound) adj (pole teeth slot spoke)) same (improvement advantage better)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/01 12:03
S20 1	8	S199 and ((unused unwound) adj (pole teeth slot spoke))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/01 12:04